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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,371	11/24/2003	Susan S. Chen	702.298	4720
75	03/06/2006		EXAM	INER
Devon A. Rolf			TO, TUAN C	
GARMIN INTERNATIONAL, INC. 1200 East 151st Street			ART UNIT	PAPER NUMBER
Olathe, KS 66062			3663	
			DATE MAILED: 03/06/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
• *						
Office Action Summers	10/720,371	CHEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tuan C. To	3663				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of the provision	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 17 Ja	anuary 2006.					
2a) This action is FINAL . 2b) ☐ This	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-37 is/are pending in the application.						
4a) Of the above claim(s) 20-25 is/are withdraw	4a) Of the above claim(s) 20-25 is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>26-37</u> is/are allowed.						
6)⊠ Claim(s) <u>1-19</u> is/are rejected.	Claim(s) <u>1-19</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.	•				
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on 24 November 2003 is/a	re: a)⊠ accepted or b)⊡ objec	ted to by the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).				
 Certified copies of the priority document 	s have been received.					
2. Certified copies of the priority document	s have been received in Applicat	ion No				
3. Copies of the certified copies of the prior	rity documents have been receive	ed in this National Stage				
application from the International Bureau	, ,,					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)	_					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) Interview Summary Paper No(s)/Mail D					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)				

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DETAILED ACTION

Applicant's election of claims 1-19, and 26-37 upon the elected Group I in the reply filed on 01/17/2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, the applicant recites "a portion of the data" that shows unclearly how much data relates to the spatial region in a memory.

Claims 1, 5 recites "predetermined prioritized order" and "predetermined search criteria" that was held to be indefinite since it was not clear what applicant intended to cover by the recitation "predetermined".

Claims 1 and 18 recite the limitations: "value" and "flight path angle". There is insufficient antecedent basis for this limitation in the claims.

Claim 3 recites the limitation: "aircraft on an aircraft flight path". There is insufficient antecedent basis for this limitation in the claim.

Claim 10 recites the limitation: "aircraft flight path". There is insufficient antecedent basis for this limitation in the claim.

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Claims 11-13 recite the limitation: "aircraft altitude". There is insufficient antecedent basis for this limitation in the claims.

Claims 14 and 15 recite the limitation: "a pilot of the aircraft to pull-up". There is insufficient antecedent basis for this limitation in the claims.

Claim 19 recites the limitation: "terrain alert", "terrain display", and "terrain alert level". There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-19 are rejected under 35 U.S.C. 102 (b) as being anticipated by Morimoto et al. (US 20010051947A1).

Morimoto discloses a spatial data mining method comprising: identifying a search vector that having a staring point, a direction (orientation) and a length (distance) (See Morimoto et al., page 1, paragraph 0014, lines 1-10) through a spatial region (database) (Morimoto et al., page 2, paragraph 0020, line 7). Morimoto et al. further disclose that the spatial data is stored in buffer memory cells (Morimoto et al., figure 14, page 6, paragraph 0081, memory cell 60 represent starting point 12). The cell shown in figure

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14 represents the starting point (12) (Morimoto et al., figure 14, page 6, paragraph 0081, memory cell 60 represent starting point 12). Each cell shown in figure 14 represents a starting point.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-19 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-19 of U.S. Patent No. 6745115.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the following:

The predetermined search criteria of the patent is not related to a flight path angle. Thus, the predetermined search criteria independent of flight path angle. Therefore, the patent addresses the limitation "comparing a value stored in the memory cell with a predetermined search criteria independent of flight path angle". For that reason, the present application and the patent are not patentably distinct from each other.

Claims 2-19 of the application are being identical to claims 2-19 of the patent.

Allowable Subject Matter

Claims 26-37 are allowable since none of the prior art has been found fairly discloses or suggest the limitations of at least claim 26.

Conclusions

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/tc

February 28, 2006

CUPERVISOR TENT EXAMINER